D350/D260 Series Decoder User Manual

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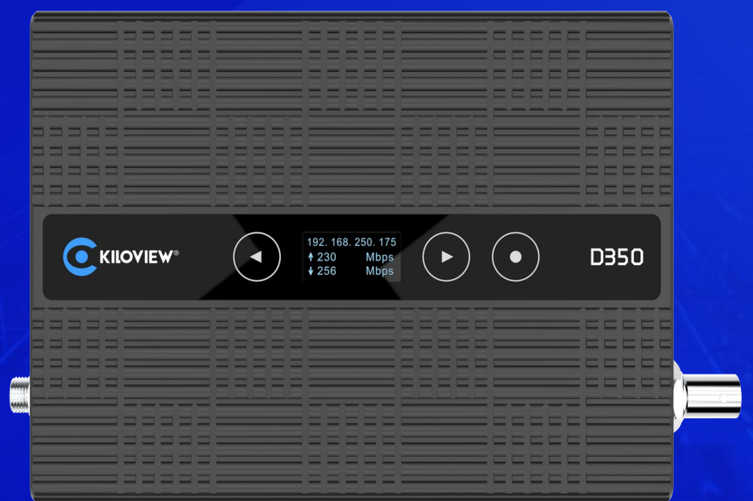

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This manual may contain technical inaccuracies, discrepancies with product functions and operations, or printing errors. We will update the manual's content based on product enhancements and periodically improve or update the products or procedures described in this manual. Updated content will be included in new versions of this manual without prior notice.

Notes

- The default password of this product is for initial login only. For security purposes, please ensure to change the default password after the first login. It is strongly recommended to set a strong password with at least 9 characters.
- Product appearance diagrams in this manual are for reference only. The physical product shall prevail.
- The screenshots are for illustrative purposes only, please refer to the actual interface as there may be differences in the interfaces of different versions.
- This manual serves as a usage guide for multiple product models but does not exhaustively list usage scenarios for each product. Please cross-reference with your real product.

- The company reserves the right to make changes to the contents of this manual without notice or prompting, but do not guarantee that the contents of the manual will be completely error-free.
- Due to uncertain physical environments, actual data values may deviate from reference values provided in this manual. For any disputes or inquiries, the company's final interpretation shall prevail.
- When using the product, please strictly follow the operational instructions in this manual. The company shall not be held responsible for issues caused by non-compliance with the instructions. Thank you for your cooperation.

Safety Instructions

Personnel responsible for installing and maintaining the device must possess basic safety operation skills. Before operating the device , carefully read and strictly follow the safety regulations specified in the product manual.

- This is a Class A product. In living environments, this product may cause radio interference. Under such circumstances, users may need to adopt practical measures to mitigate the interference.
- Ensure the device is stably and securely installed in a well-ventilated environment. During operation, ventilation openings must remain unobstructed.
- Operate the device within the permitted temperature and humidity ranges. Avoid exposing it to damp, dusty, extremely hot, extremely cold, strong electromagnetic radiation, or vibrating environments.
- Ensure stable environmental voltage that complies with the device's power requirements. Use the device only within its rated input/output ranges, fulfill lightning protection requirements, and ensure proper grounding.

- Protect the power cord from being trampled or pinched, especially at the plug, power socket, and connection points extending from the device.
- After installation, verify correctness to prevent physical injury or component damage caused by incorrect connections during power-on.
- Do not remove the anti-tamper seal on the device's chassis cover. If removal is necessary, contact the company's local authorized agent first. Unauthorized disassembly resulting in unmaintainable equipment will absolve the company of all related consequences. Thank you for your cooperation.
- Abnormal power outages may damage the device's hard drive or cause functional errors. To power off the device, strictly follow the manual's instructions. If the device operates in an environment with frequent power interruptions, equip it with a UPS (Uninterruptible Power Supply).

Environmental Declaration

Please comply with local regulations regarding the disposal of equipment packaging materials, depleted batteries, and obsolete equipment, and support recycling initiatives.

Applicable Models

D350, D260

Manual Conventions

1. Graphical Interface Format Conventions

Format	Meaning
< >	< > Angle brackets< > denote button names, e.g.: Click <OK>
[ ]	Square brackets [ ] denote menus, tabs, or window names, e.g.: Select [Device Management]
>	A greater-than symbol > separates multi-level menus, e.g.: [Device Management > Add Device], indicating the [Add Device] sub menu under the [Device Management] menu

2. Signs

The ~~book~~manual also employs various prominent signs to highlight critical precautions during operations. The meanings of these signs are as follows:

Sign	Meaning
	Warning. The note following this sign requires special attention. Improper operation may cause personal injury
	Caution. Reminds precautions during operation. Improper operation may lead to product damage or functional failure
	Note. Provides supplementary or explanatory information about product operation and usage

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1.Product Overview

1.1Product Introduction

D350/D260 are a series of high-definition multi-picture decoders independently developed by Kiloview, supporting multi-channel audio and video decoding output, allowing for arbitrary splicing and display of multiple video streams, as well as audio mixing output. They support mainstream encoding formats such as H.265, H.264, SpeedHQ (NDI High-bandwidth), and various streaming media transmission protocols such as NDI|HB/NDI|HX2.0/NDI|HX3.0/SRT/RTMP/RTMPS/HLS/TS over UDP/RTP/RTSP.

D350/D260

Caution: ~~The~~ D350 and D260 only differ in the model name on the right side of the top panel. All other aspects of the design are almost identical.

1.2 Product Parameters

Model	D350	D260
Supported Formats	Video decoding format: H.264(AVC) compatible with Baseline/Main/High Profile, up to Level 5.2; H.265(HEVC) compatible with Main Profile, up to Level 5.1; SpeedHQ(NDI High-bandwidth) Audio decoding format: AAC/MPEG-4/MPEG2/G.711/Opus/LPCM and other audio formats	
Supported Protocols	NDI|HB/NDI|HX2.0/NDI|HX3.0/SRT/RTMP/RTMPS/ HLS/TS over UDP/RTP/ RTSP.More extensible protocols will be supportable in the future.	
Decoding Latency	NDI|HB and NDI|HX Latency: <100ms(*Note: Performance tested in laboratory conditions; actual results may vary slightly.)	
Multi-view	1/2/3/4/5/6/7/8/9～16 customizable multi-screen layout	1/2/3/4 customizable multi-screen layout
Output Resolution	3840x2160P60(HDMI only)、3840x2160P50(HDMI only)、3840x2160P30(HDMI only)、3840x2160P25(HDMI only)、1920x1080P60、1920x1080P59.94(SDI only)、1920x1080P50、1920x1080P30、1920x1080P29.97(SDI only)、1920x1080P25、1920x1080P24、1920x1080P23.98(SDI only)、1920x1080i60(SDI only)、1920x1080i50(SDI only)、1920x1080i59.94(SDI only)、1280x720P60、1280x720P59.94(SDI only)、1280x720P50、576i/625i 50Hz(SDI only)、480i/525i 60Hz(SDI only)	1920x1080P60、1920x1080P59.94(SDI only)、1920x1080P50、1920x1080P30、1920x1080P29.97(SDI only)、1920x1080P25、1920x1080P24、1920x1080P23.98(SDI only)、1920x1080i60(SDI only)、1920x1080i50(SDI only)、1920x1080i59.94(SDI only)、1280x720P60、1280x720P59.94(SDI only)、1280x720P50、576i/625i 50Hz(SDI only)、480i/525i 60Hz(SDI only)

Model	D350	D260
Interface	Video output interface: 2 HDMI 2.0, supports up to 3840x2160 P60Hz (4Kp60) and is downward compatible; 1 3G-SDI, supports up to 1920x1080@60Hz (1080p60) and is downward compatible；	Video output interface: 2 HDMI 2.0, supports up to 1920×1080 P60Hz (1080p60) and is downward compatible; 1 3G-SDI, supports up to 1920x1080@60Hz (1080p60) and is downward compatible；
	Audio output interface: HDMI, SDI and built-in Line out analog audio interface	
	1 USB 2.0 Type-A, 1 USB 3.0 Type-C; Power interface: 12V, 1A	
	Power interface： 12V, 1A	
	2 10M/100M/1000M RJ45 adaptive Ethernet ports,	
Physical Parameters	Management: Web page control, can be used with Kiloview KiloLink Service Pro management	
	Power consumption: 8W(MAX)	
	140*104.00*25.00mm	
	Weight: 360g	

Model	D350			D260		
Format	H.264/H.265	SpeedHQ(NDI High-bandwidth)	H.264/H.265+SpeedHQ(NDI High-bandwidth)	H.264/H.265	SpeedHQ(NDI High-bandwidth)	H.264/H.265+SpeedHQ(NDI High-bandwidth)
4Kp60fps	2-chanel	✖	✖	✖	✖	✖
4Kp30fps	3-chanel	1-chanel	3-chanel+1-chanel	✖	✖	✖
1080p60fps	12-chanel	3-chanel	7-chanel+1-chanel	4-chanel	3-chanel	1-chanel+3-chanel
1080p30fps	12-chanel	4-chanel	8-chanel+2-chanel 4-chanel+3-chanel	4-chanel	4-chanel	1-chanel+3-chanel

1.3 Front Panel Introduction

Icon	Meaning
	Switch to next page
	Switch to previous page
	Main screen/Confirm

1.4 Interface Introduction

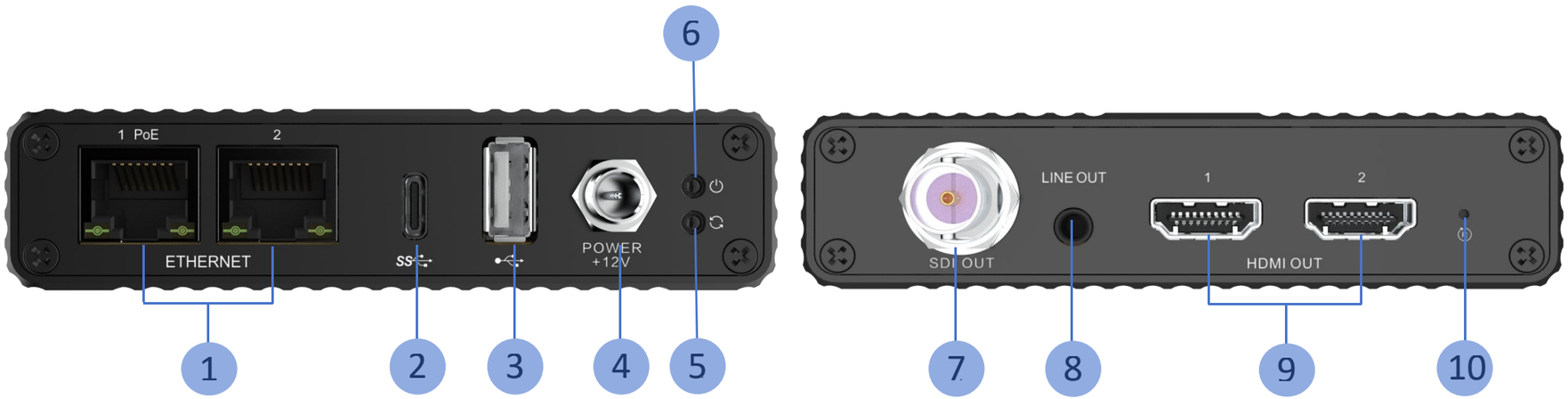


Figure NO.	Description	Figure NO.	Description
1	Gigabit network (backward compatible)	**6**	Power indicator light
2	Type-C expansion interface	**7**	SDI output interface connects to display device
3	USB expansion interface	**8**	3.5mm audio output interface

4	DC12V power input	**9**	HDMI output interface connects to display device
5	Work indicator light	**10**	Reset button hole

1.5 Signal Indicator Lights

	Name	Color	Description
LED display light	Red	On	Power is connected
		Off	Power is off or malfunctioning
	Green	Flashing	Device is running normally
		On/Off	Device is abnormal or not started

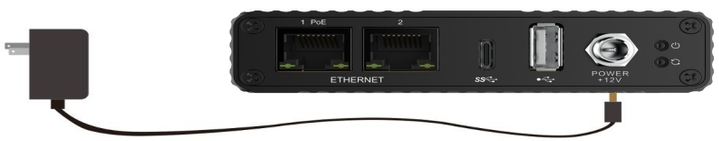
1.6 Configuration List

	Name	Unit	Quantity
	D350/D260 main unit	Set	1
	DC12V/1A Power Adapter	Piece	1
	User Manual	Copy	1
	Product Qualification Certificate and Warranty Card	Copy	1

2. Device Installation and Connection

2.1 Connecting Power

Connect the DC power to the main unit with the power adapter (DC 12V/1A) provided together . The power light will be on when the device is powered on.



NOTE

Please try to use the power adapter provided together for the power supply . Other unqualified power supplies may damage the device.

2.2 Connecting Display Devices

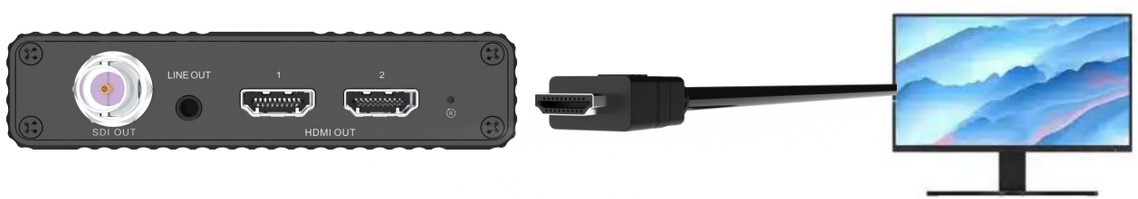
Connect the SDI or HDMI cable to the corresponding terminal of the device (Simultaneous connection is available. The decoder supports simultaneous output of 1 SDI and 2 HDMI signals) The other end ~~is~~ connects to the display device, such as a monitor or electronic screen.

2.2.1 Connecting SDI Display Devices

Connect the SDI output interface of the device to the SDI display device directly with an SDI cable.

2.2.2 Connecting HDMI Display Devices

Connect the HDMI output interface of the device to the HDMI display device with an HDMI cable. The device provides 2 HDMI output interfaces that can output simultaneously.



2.3 Connecting Analog Audio Signals

If you need to use analog audio input and output, you need to connect the analog audio interface. And vice versa.

2.4 Connecting Network

Connect one end of the network cable to the 100/1000M Ethernet port of the decoder, the other end to the network switch, or directly to the network port of the computer. The device provides two network connection interfaces, both of which can be used.

3 Device Login and Network Configuration

- Before logging in to the Web interface, please make sure:
- The device is running normally:
- The client computer is connected to the device network:
- It is recommended to install Microsoft Internet Explorer 7.0 or higher on the client computer:
- The IE browser on the client computer is not set up with a proxy server.

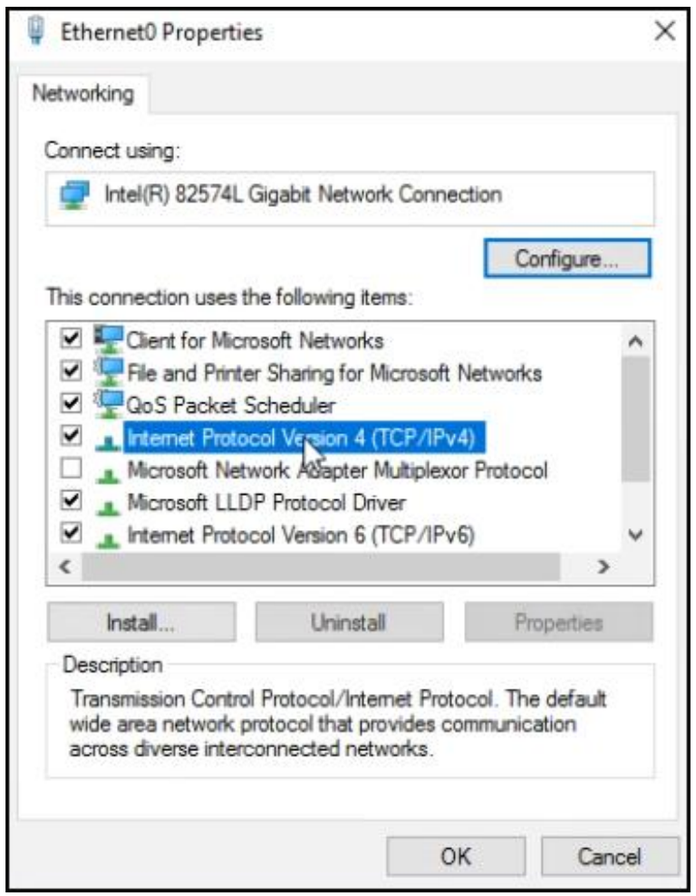
3.1 WEB Login Management Interface

First, connect the decoder and the computer to the same switch, or connect the decoder directly to the computer network port. Then configure the decoder and the computer to be in the same network segment so that the computer can access the decoder's WEB page. The default management IP of the decoder network port is 192.168.1.168. If the computer's IP is not in the 192.168.1.* network segment, you need to set the computer network port IP to 192.168.1.* network segment. The specific steps are as follows (taking win10 as an example, the operation of other windows versions is similar to win10):

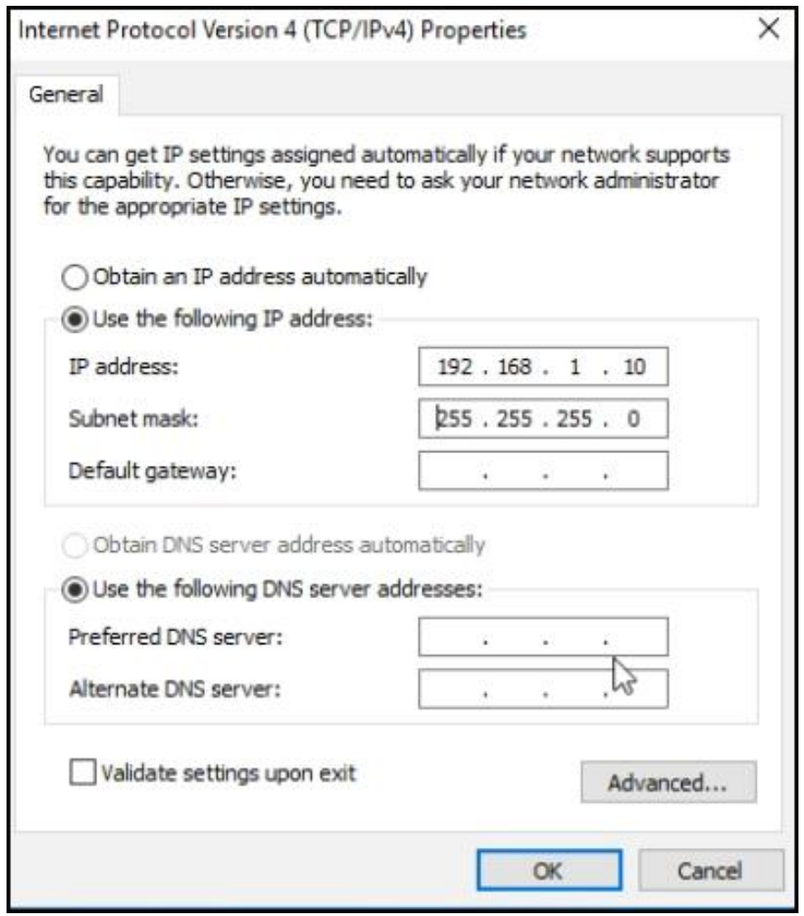
1. Right-click the network icon in the lower right corner of windows, click "Network and Internet settings", then click to open "Network and Sharing Center"

2. A network connection panel will pop up, left-click "Ethernet"

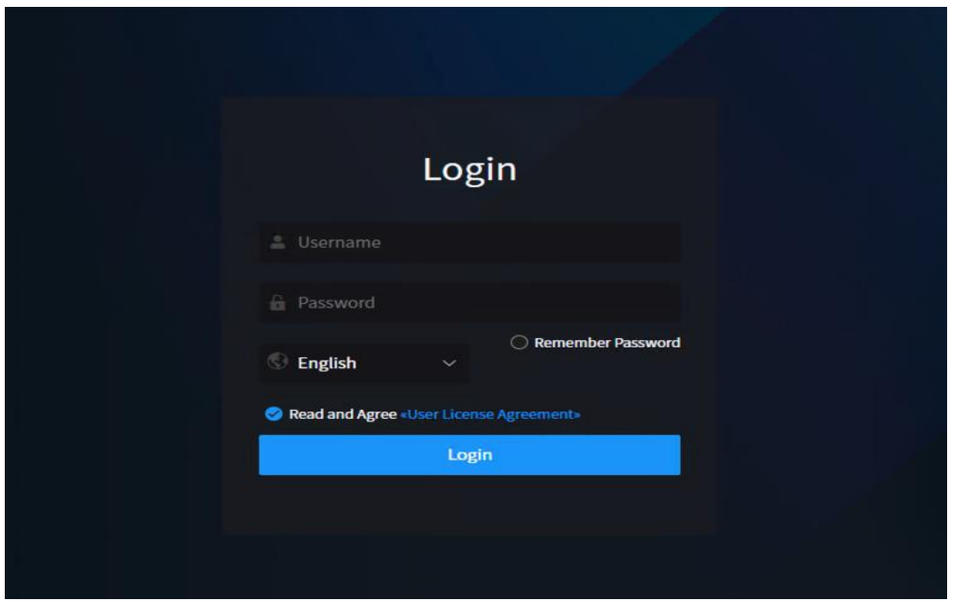
3. In the Ethernet status bar that pops up, click the "Properties" button, then double-click the "Internet Protocol Version 4" option



4. The computer defaults to "Obtain an IP address automatically". ~~At this time,~~ You will need to select "Use the following IP address" and manually enter the IP address and subnet mask of 192.168.1.*, and click "OK".



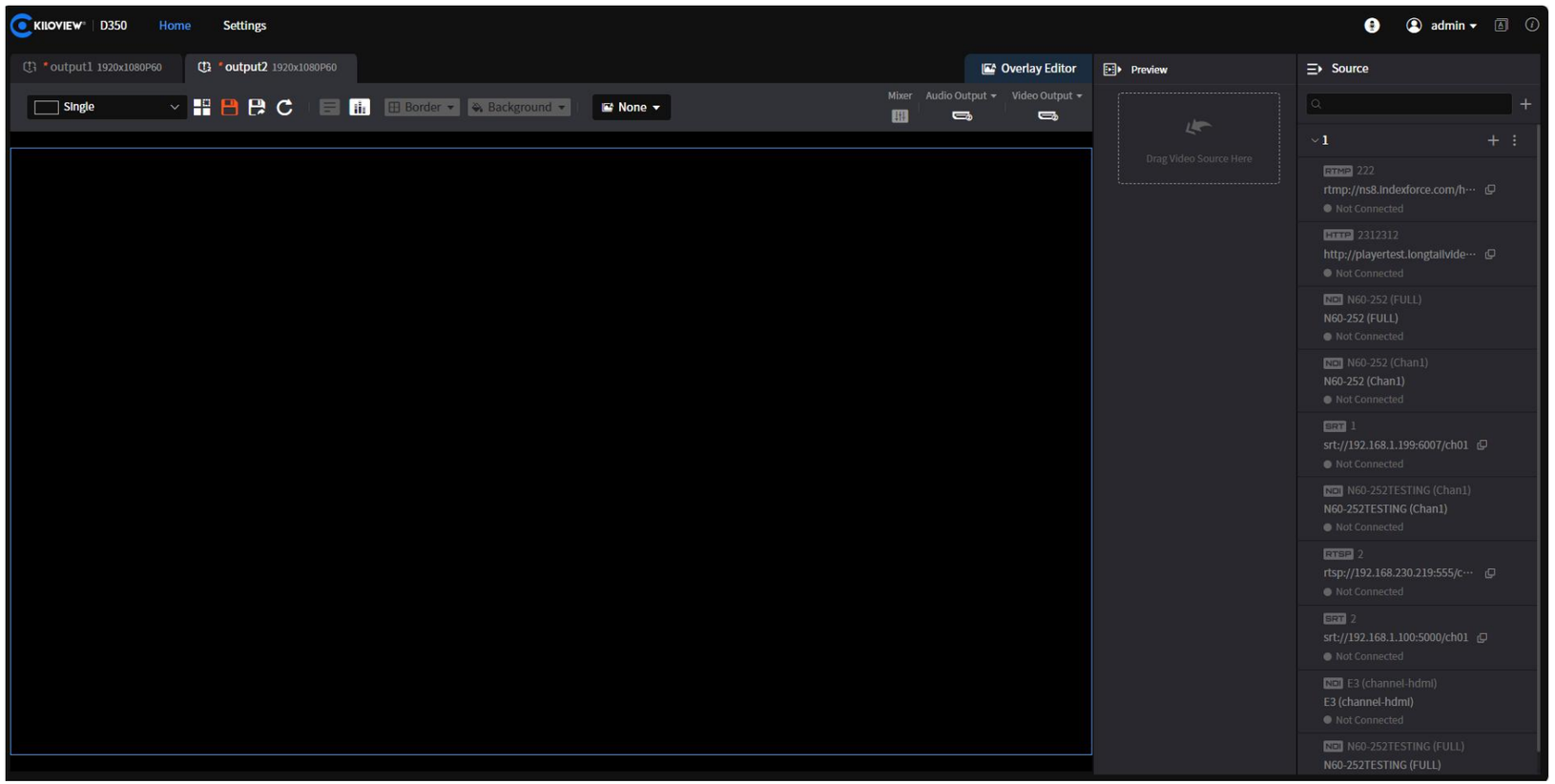
5.Open the WEB browser, enter the IP address of the decoder (the default is 192.168.1.168) or the URL http://192.168.1.168 and press Enter, you can open the decoder's login interface. After opening the page, an authentication dialog box will pop up, requiring you to enter the username and password. The default username and password of the decoder are admin/admin. Then click "Login".



NOTE

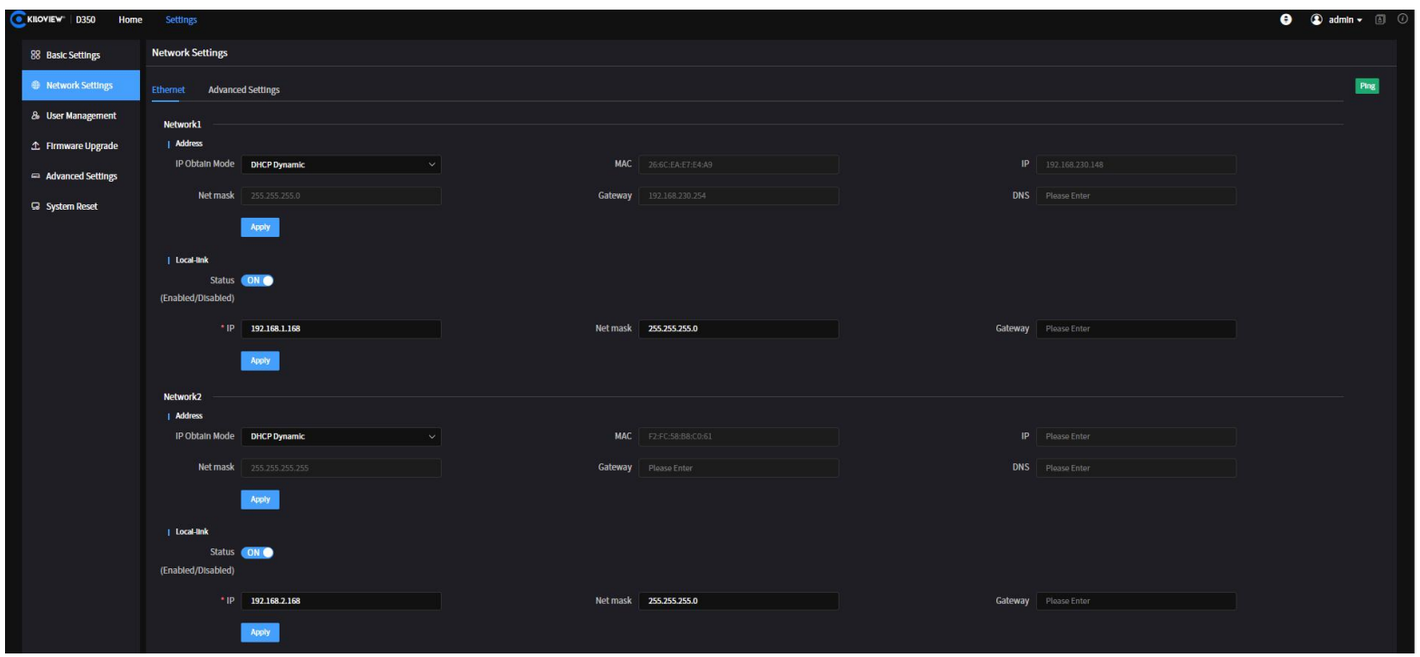
Due to browser compatibility issues, the decoder page may display abnormally. It is recommended to use Chrome or Firefox or Safari browser.

6.After logging in normally, you can set decoding parameters and function parameters in the decoder WEB management page. The decoder WEB management page login operation is shown in the figure below:

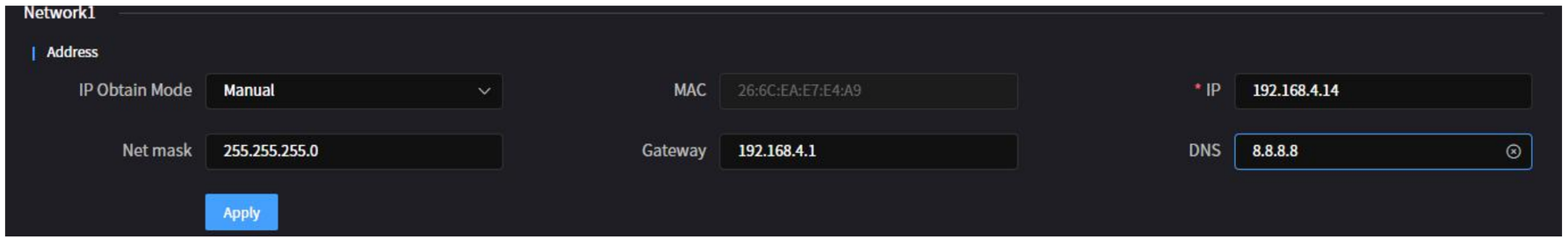


3.2 Network Configuration

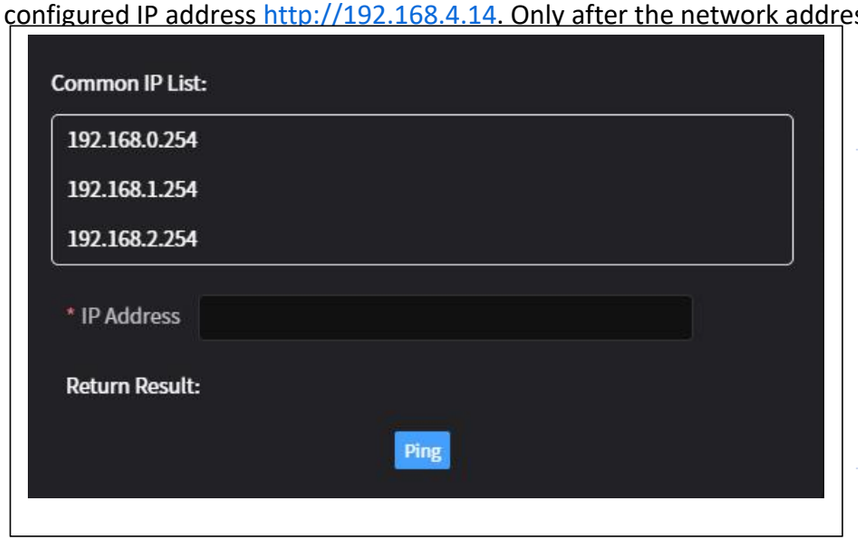
The device has 2 Ethernet ports. Generally, it can work normally as soon as address 1 of network 1 is configured. This IP can be used for network streaming and device management. The two network ports can be used as business separation between the internal and external networks or business/management data flow separation. Click the "Settings\Network" menu in the WEB page to enter the configuration page. Configure the interface IP address under the network 1 or network 2 tab. The address acquisition method can be selected as "DHCP automatic acquisition" and "manual designation". The IP address obtained by DHCP may change, and the manually specified IP address can be fixed, which is convenient for device management. The IP address configuration needs to be configured according to the actual situation of the local network.



Manual designation requires configuring the IP, gateway, subnet mask, and DNS parameters in sequence. For example, if the local network segment is 192.168.4.*/24, configure "Address 1" to 192.168.4.14, 255.255.255.0, 192.168.4.1, 8.8.8.8 in sequence.and then click the icon Apply below to take effect.



After configuring the IP address, you can click the ico Ping in the upper right corner of the interface to detect whether the network can be pinged through the IP address list in the pop-up window as shown in the figure below, or you can access the device's web management page through the configured IP address http://192.168.4.14. Only after the network address is configured correctly can other functions of the device work normally.



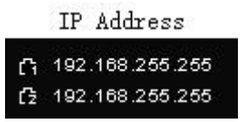
Note Because the device saves the configuration file to the system at regular intervals, the device cannot be powered off immediately after manually configuring or modifying the IP address, otherwise the IP address may be lost. If you want the configuration to take effect immediately, you can operate "Device Restart" once in the WEB page.

4 Device Display

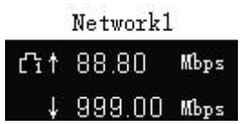
4.1 Display Screen and Touch Buttons

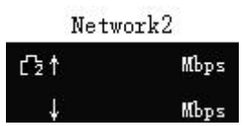
D350/D260 provides an OLED display screen and touch buttons. It realizes quick viewing of IP/output and other information. On the display screen, you can conveniently view the interface, resolution, device IP address and real-time uplink and downlink network of the current video decoding output. The information is displayed as follows:

1. The first page displays the IP address information. UNKNOW means that the network port is not connected to the network cable.



2. The second/third page displays the uplink and downlink bandwidth of the network port in real time. The up and down arrows on the left indicate the real-time uplink and downlink rates of the network.





3. The fourth/fifth page displays the video output information. You can view the current HDMI1/HDMI2/SDI and their corresponding outputs.

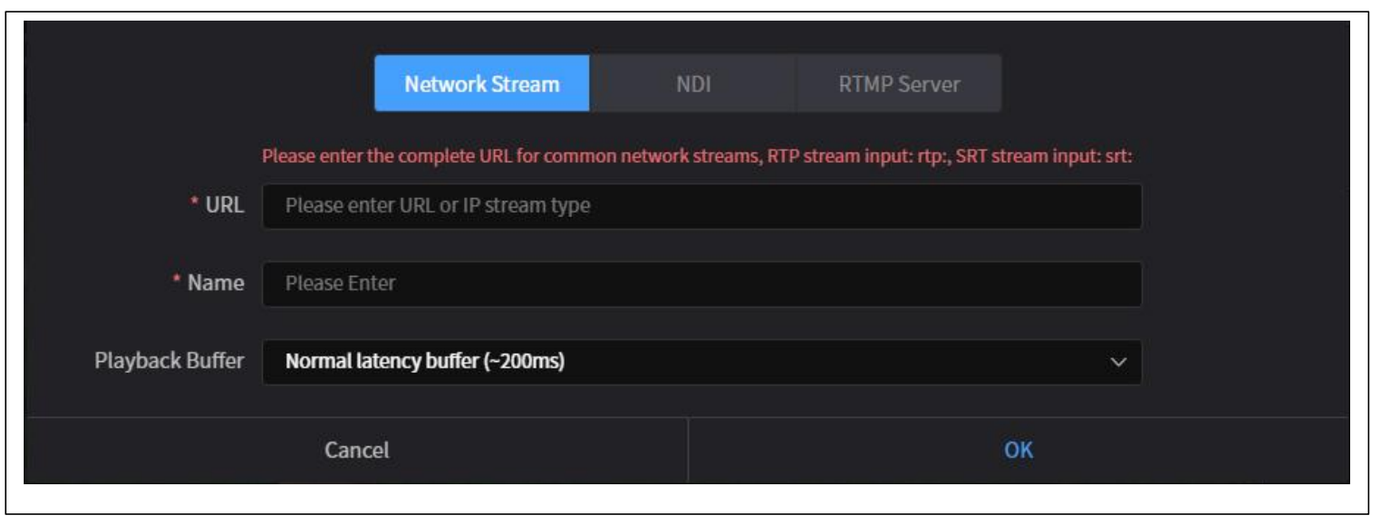
The buttons in the 1.3 Front Panel Introduction can switch the display content, and you can quickly view the content when you are not logged in to the web page.

5.Function Parameter Configuration

5.1 Video Source

5.1.1Adding Video Sources

In the "Media" interface of the device, under the "Source" menu list in the upper right corner, click " + " to create a source group in the "Add Group" dialog box that pops up, then click " + " in the corresponding group name list to pop up the "Add" dialog box, enter the "Source address" to be added, fill in the corresponding configuration parameters, and click <OK> to add the video source to the source list .



NOTE

First, make sure to obtain the correct video source URL address. Abnormal working source addresses may cause the device to malfunction (you can test whether the video source is available through the vlc player.)

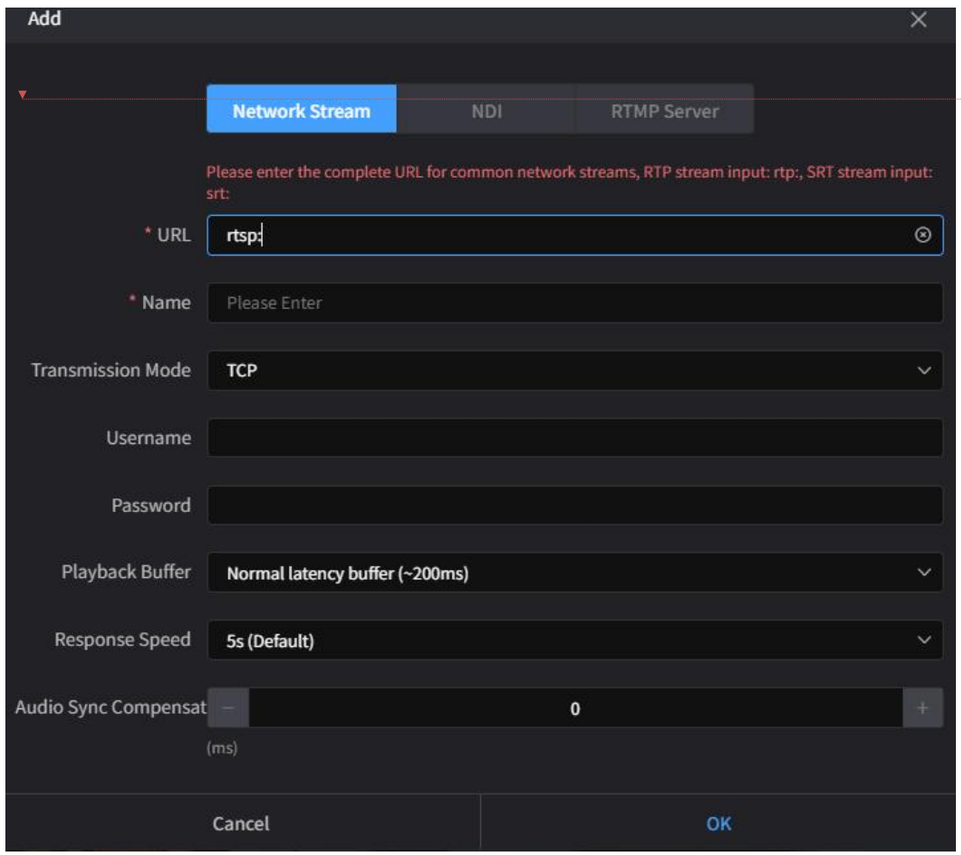
The definition of each video source parameter is as follows:

Name	Video source name, can be set arbitrarily, supporting a mixture of Chinese and English.
URL Address	Supports RTSP, RTMP, RTMPS, NDI, UDP, HTTP, SRT and other protocols. The device can automatically recognize the URL address. After entering the URL address, if there are some advanced parameter configurations, the dialog box will automatically pop up the corresponding dialog box to configure the corresponding parameters. You can also click the protocol options on the page to directly perform detailed parameter settings.
Transmission Mode	Can be configured as TCP or UDP. TCP is a reliable transmission protocol, and UDP is an unreliable transmission protocol.
Username/Password	Configure according to whether the video source has user authentication or not. Normally no configuration is required.
Buffer and Latency	For different application scenarios and networks, the device provides multiple buffering strategies for users to choose from to balance decoding real-time performance and fluency. You can choose zero buffer, 50ms, 120ms, 200ms, 500ms, 1s, set according to the actual network conditions. For a good network, you can choose a lower latency parameter, and for a poor network, you need to choose a higher latency parameter.
Response Speed	To accommodate diverse application scenarios and network conditions, the device offers multiple buffering strategies for users to choose from in terms of decoding and reconnection response speed. Users can select from 200ms, 500ms, 1s-60s. Users can configure the settings based on the actual network conditions—lower reconnection parameters are recommended for stable networks, while higher parameters should be selected for less reliable networks.
Audio Synchronization Compensation	For different application scenarios and networks, the device provides compensation settings for audio and video synchronization. You can set the audio delay according to the specific situation.
Video Receiving Port	Network receiving port, range 1-65535
Audio Receiving Port	Network receiving port, range 1-65535
Bind Network	Default auto
Video Coder	The format is [PT,]CODER[/timestamp unit], such as 96,H264/90000

Audio Coder	The format is [PT,]CODER[/timestamp unit/channel], such as 96,MPEG4-GENERIC/48000/2

5.1.2 Adding RTSP Video Sources

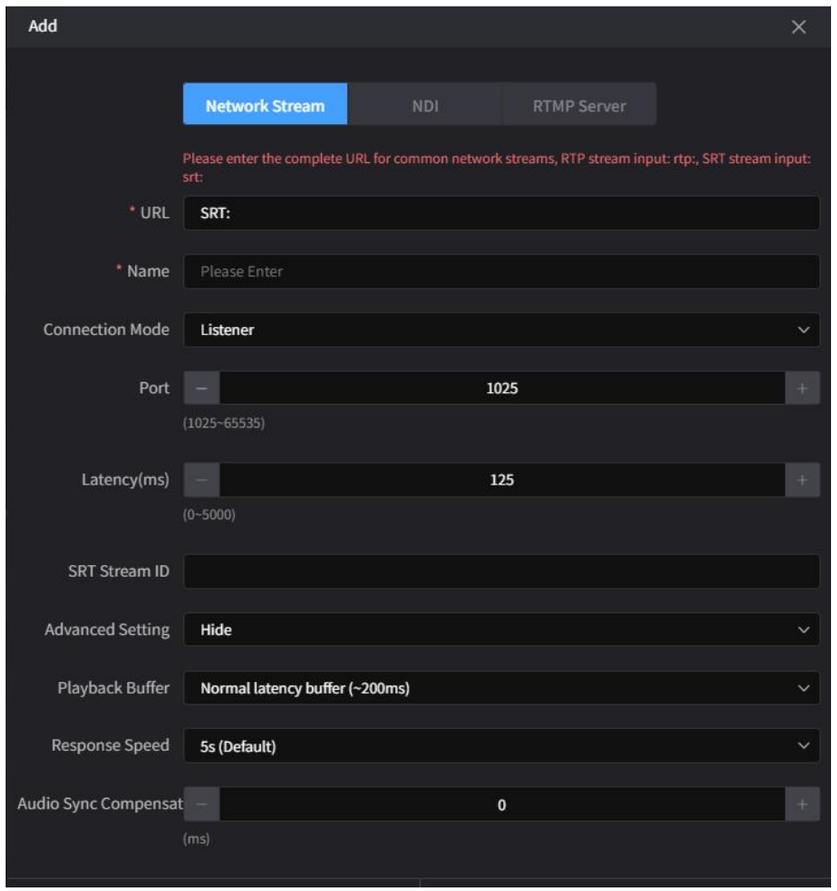
Click " + " beyond the corresponding group name in the "Source" list to pop up the "Add" dialog box, enter the "RTSP" source address to be added, automatically match the "RTSP" address configuration parameters that need to be filled in, configure the corresponding parameters in sequence, and click <OK> to add an RTSP source to the corresponding video source list group.



删除[D....Rain]:

5.1.3 Adding _SRT Video Sources

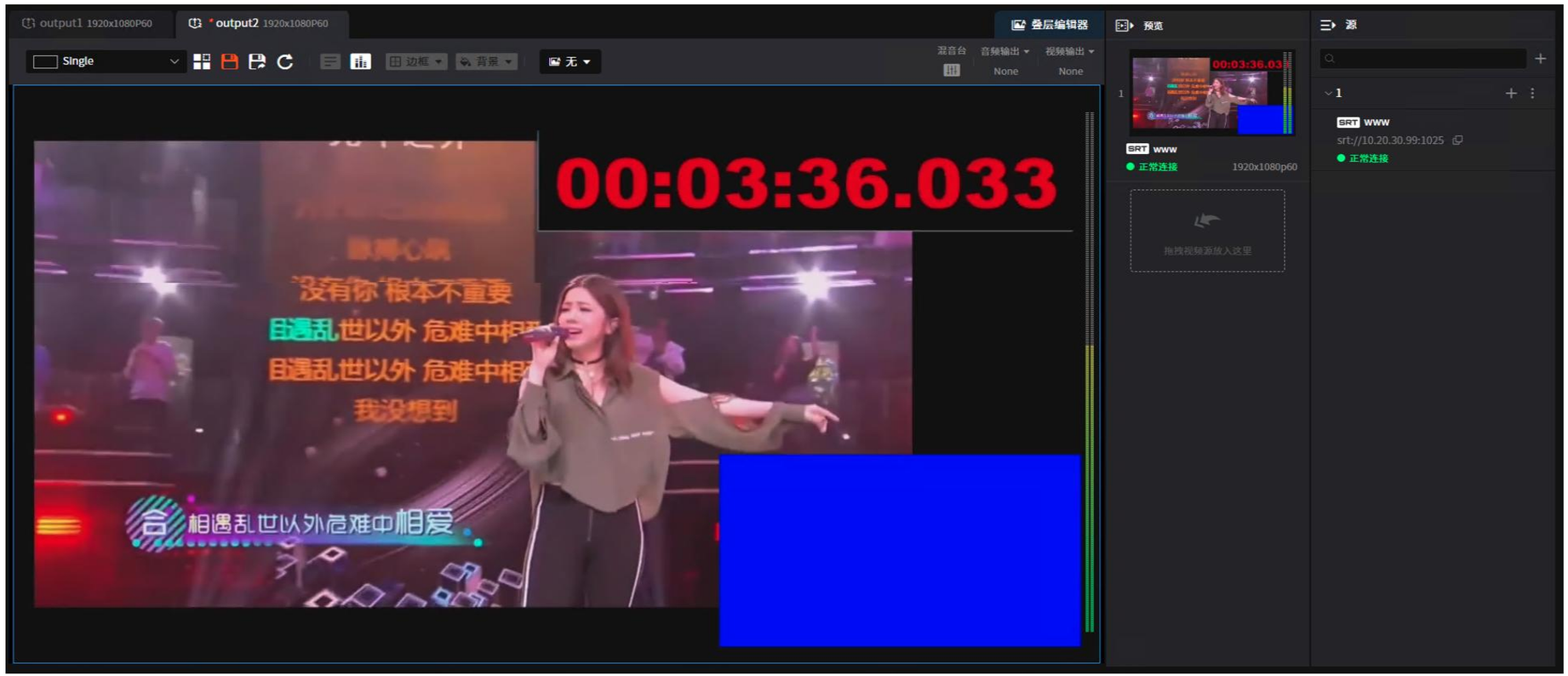
Click " + " beyond the corresponding group name in the "Source" list to pop up the "Add" dialog box, enter the "SRT" source address to be added, automatically match the "SRT" address configuration parameters that need to be filled in, configure the corresponding parameters in sequence, and click <OK> to add an SRT source to the corresponding video source list group.



The definition of each SRT source parameter is as follows:

- Name: Can be configured arbitrarily, supporting a combination of Chinese, English, and numbers;
- Handshake mode: You can choose from Caller, Listener, and Rendezvous modes;
- Address: Set the IP address of the receiving end;
- Port: Configure a listening port, which needs to be consistent with the sending port;
- Transmission latency: Set based on the performance of the current network link. Both the SRT source device and the SRT target device can set the range of latency. The final value will be the larger of the two as the SRT transmission latency;
- Encryption method: Supports AES-128, AES-192, and AES-256 encryption modes;
- Key: Encryption key, fill in 10-32 bits of letters or numbers according to the encryption method;
- Bandwidth overhead: A percentage value set due to the network link quality. Multiply this percentage value by the total bit rate of the audio and video encoded by the encoder to obtain the maximum bandwidth occupied by the Bandwidth Overhead allowed. This value plus the total bit rate of the audio and video is the threshold of the current SRT transmission bandwidth, which is also the maximum bandwidth that the SRT stream can use. From the perspective of "overhead", it is the extra "invalid" bandwidth occupied in addition to the media content required for transmission (which can be understood as payload). However, it is different from the common protocol overhead, TCP header overhead, and UDP header overhead. The bandwidth overhead here is not a fixed 20~60 bytes of TCP header overhead or 8 bytes of UDP header overhead. ~~but~~ It changes according to the network situation. The overhead for transmission is bigger if the network is poor. The setting range is 5%~100%, and default 25%.
- Payload size: The transmitted data packet size; the receiver must match the same size to achieve optimal performance. The default size ~~of~~ 1316 is the optimal data packet size for codecs.

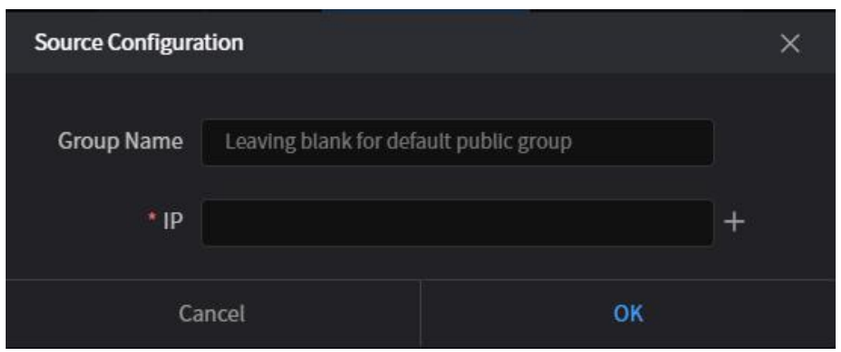
Drag the added SRT video source to the left preview window, and the device will start listening for SRT requests on the corresponding port. Upon receiving a correct SRT call, it can establish an SRT connection with the peer and decode and output the video.



5.1.4 Adding NDI|HX Video Sources

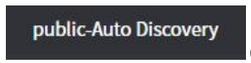
1) Manually Adding NDI|HX Video Sources for Non-Public Groups or Target IPs

Click the “ + ” button beyond the corresponding group name in the【 **Source** 】list. In the pop-up【**Add**】dialog box, select the NDI option. Click in the expanded configuration Manual Configration to enter the configuration dialog box. If you want to search for devices with different group names within the same subnet, enter the specified group name (e.g., kiloview) in the "Group" box and press Enter. The "Group" box will then display two group names. Click the **OK** button (no need to fill in the IP address), and the device will search for NDI sources with both group names simultaneously. (You can add multiple group names for searching.) If you need to search for NDI sources across subnets, and the group name is a non-public group, you need to first fill in the specified group name, then fill in the specified IP address in the "IP" field, and click + next to it. This will add the IP address to the "Manual Scan Address List." You can add multiple IP addresses at once for simultaneous searching and then click **< OK>**to save.

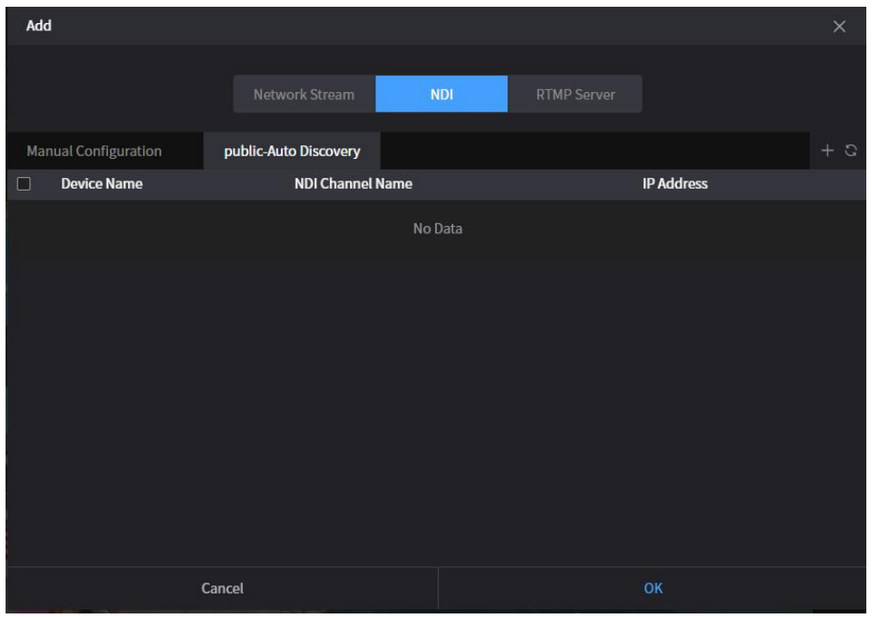


2) Adding NDI|HX Video Sources Through Auto-Discovery

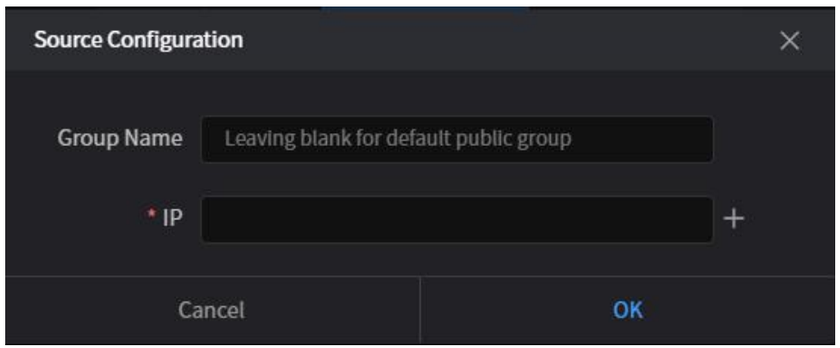
Click the “ ” button beyond the corresponding group name in the【**Source**】list. In the pop-up【**Add**】dialog box, select the

option. Click in the expanded 

configuration to discover NDI video sources on the same local network. Select the source you want to add and click<**OK**> to add the NDI video source to the source list.



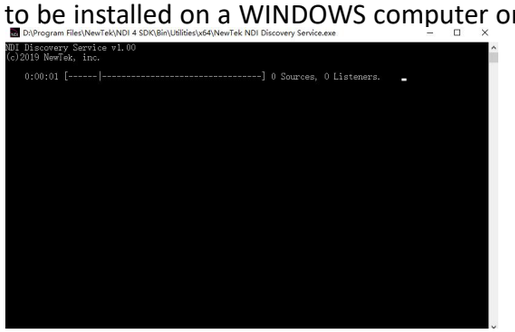
Click the button beyond the "public-Auto Discovery" section in the window. In the pop-up【**Source Configuration**】 dialog box, you can also load the source data of the corresponding group into the source list that can be added by entering the group name "Auto Discovery/Discovery Service."



3）NDI Discovery Server

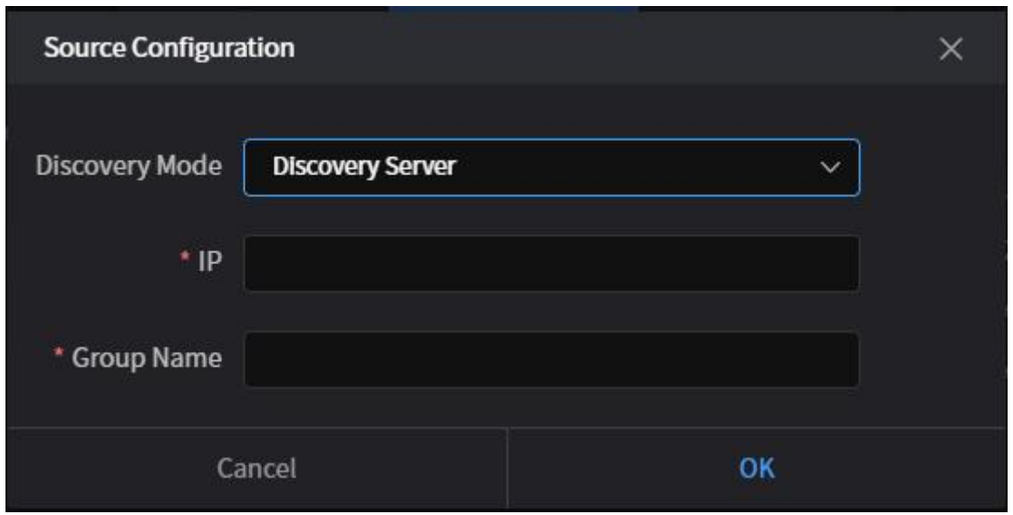
The NDI Discovery Server can replace NDI auto-discovery with a server, allowing NDI sources to be centrally registered to the server. The receiving end can obtain NDI sources from the server. You can also configure this feature to send the output video stream to the receiving end across subnets.

First, download and install the NDI SDK on the receiving end. It needs to be installed on a WINDOWS computer on the receiving end. After installation, run Bin\Utilities\x64\NDI Discovery Service.exe.



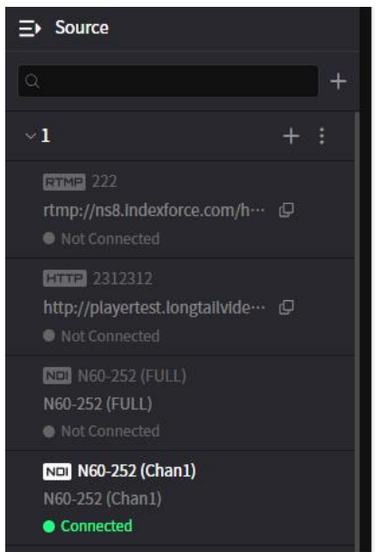
The NDI encoder configures the discovery server's IP address in the discovery server, and NDI will register with the server. It is recommended to configure the discovery server address as a static IP address to prevent NDI connection loss due to IP reassignment.

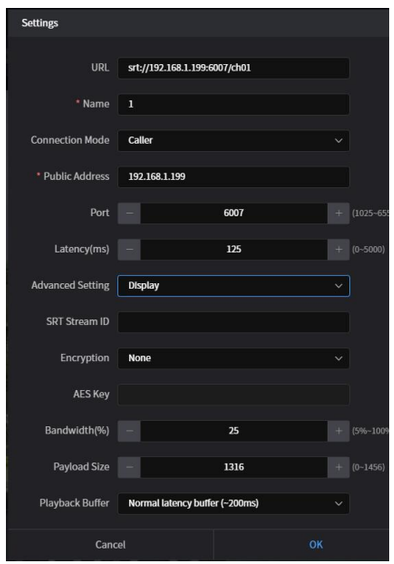
Open the NDI Discovery Server. Similarly, fill in the server address with the IP address of the discovery server's computer. The device will search for NDI streams that have already registered with the discovery server.

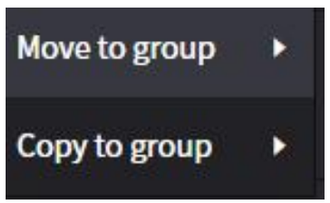


5.1.5 Video Source List

This list displays all your added video sources and source parameter information. When you hover over the corresponding added source module, two icons will be displayed synchronously. Click the icon to modify and adjust the configuration parameters of the source parameters already added to the source list. Click the icon to move the source to a group or copy the source to a group.





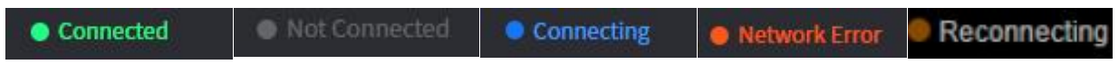


Note： Not all sources are in the decoding state. To decode output or preview, you need to manually drag it to the preview area or decoding area on the left side of the source list.

5.1.6 Source Status Description

If the video source is displayed in green "Normal Connection," it means the video source is in the decoding or streaming state.

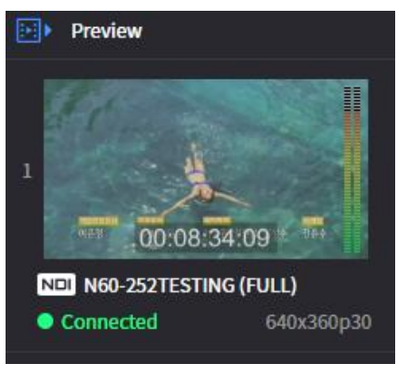
- Gray "Offline" indicates that the source is not being used as a decoding source.
- Blue "Connecting" indicates that the source is establishing a connection for decoding.
- Yellow "Reconnecting" indicates that the source is experiencing decoding anomalies on the device and is attempting to connect for decoding.
- Red "Stream Error" indicates that the source may have errors or does not support decoding.



5.1.7 Source Preview

You can drag the added video source from the source list on the left side of the media interface to the dashed box on the left side as shown in the image at right.

The device will start connecting and decoding. Once the connection is done, you can preview the video image.



output1 1920x1080P60
*output2 1920x1080P60
叠层编辑器
Single
边框
背景
无
混音台
音频输出
None
视频输出
None
www
1920x1080p60
H264
5893.28K
00:01:10.435
我愿守候未知里为你等待

5.2 Decoding Output

The device supports H.265/H.264/SpeedHQ (NDI High-bandwidth) decoding and can output the same or different signal sources or split-screen images simultaneously through HDMI/SDI interfaces.

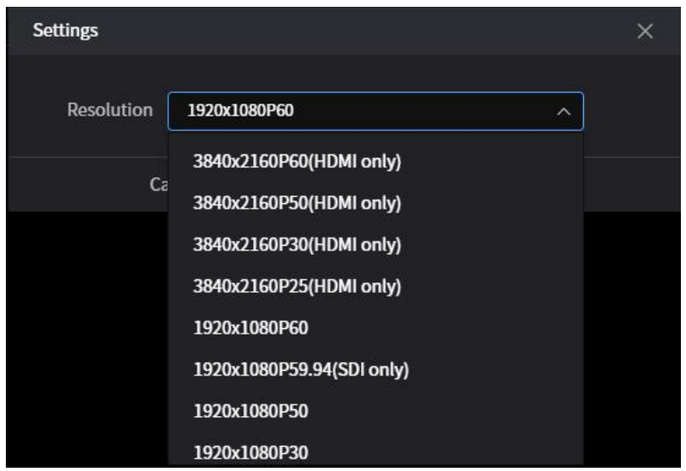
The following takes "output1" for example to provide a detailed explanation of the controls for the output window (as shown in the figure below):

5.2.1 Output Resolution Settings

There are two

tab labels in the upper left corner of the page. Clicking any tab label will display a graphic on the right side of the tab label. You can set the resolution of the decoding output interface in the pop-up window.

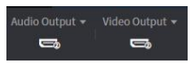
- **D350** supports HDMI (up to 3840x2160@60Hz) / SDI (up to 1920x1080@60Hz) with multiple resolution configurations. It supports decoding and outputting 2 channels of 4k p60 video, or 6 channels of 4k p30 and below HD video simultaneously. It supports up to 16 channels of 1080P 50Hz/60Hz. All resolutions marked with "SDI only" in the resolution list are only valid on the SDI output interface. On the HDMI interface, it will output the resolution closest to this resolution.



- **D260** supports HDMI (up to 1920 x 1080@60Hz) / SDI (up to 1920x1080@60Hz) with multiple resolution configurations.

Note: If the output is on multiple interfaces, and a certain interface cannot support the specified resolution, such as 4K resolution cannot be supported on SDI, the system will choose a resolution that can be supported by all interfaces as a substitute.

5.2.2 Output Interface Settings

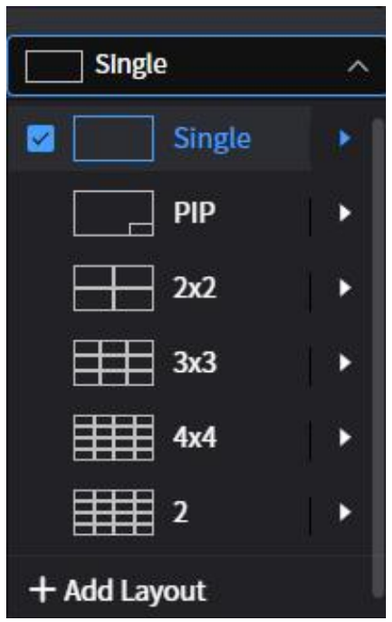
There are two corresponding graphic menus 

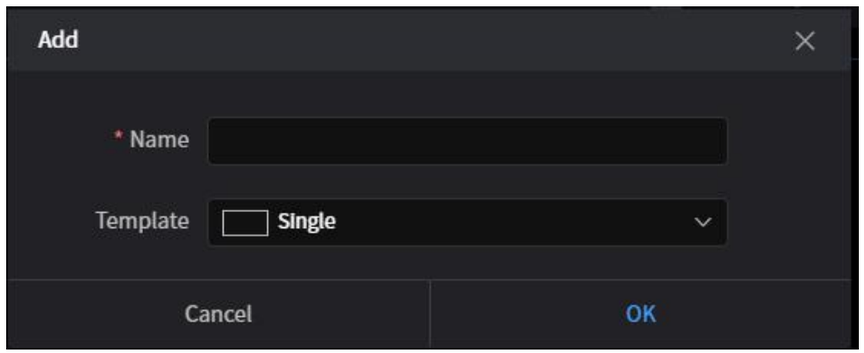
on the upper right side of the video output display area. Click the corresponding menu, and in the expanded pop-up window, check the corresponding output interface to output the image displayed in the current video display window to the display device connected to the selected interface.

Note: Both audio output and video output content need to be checked before they can be output and displayed normally.

5.2.3Layout Settings

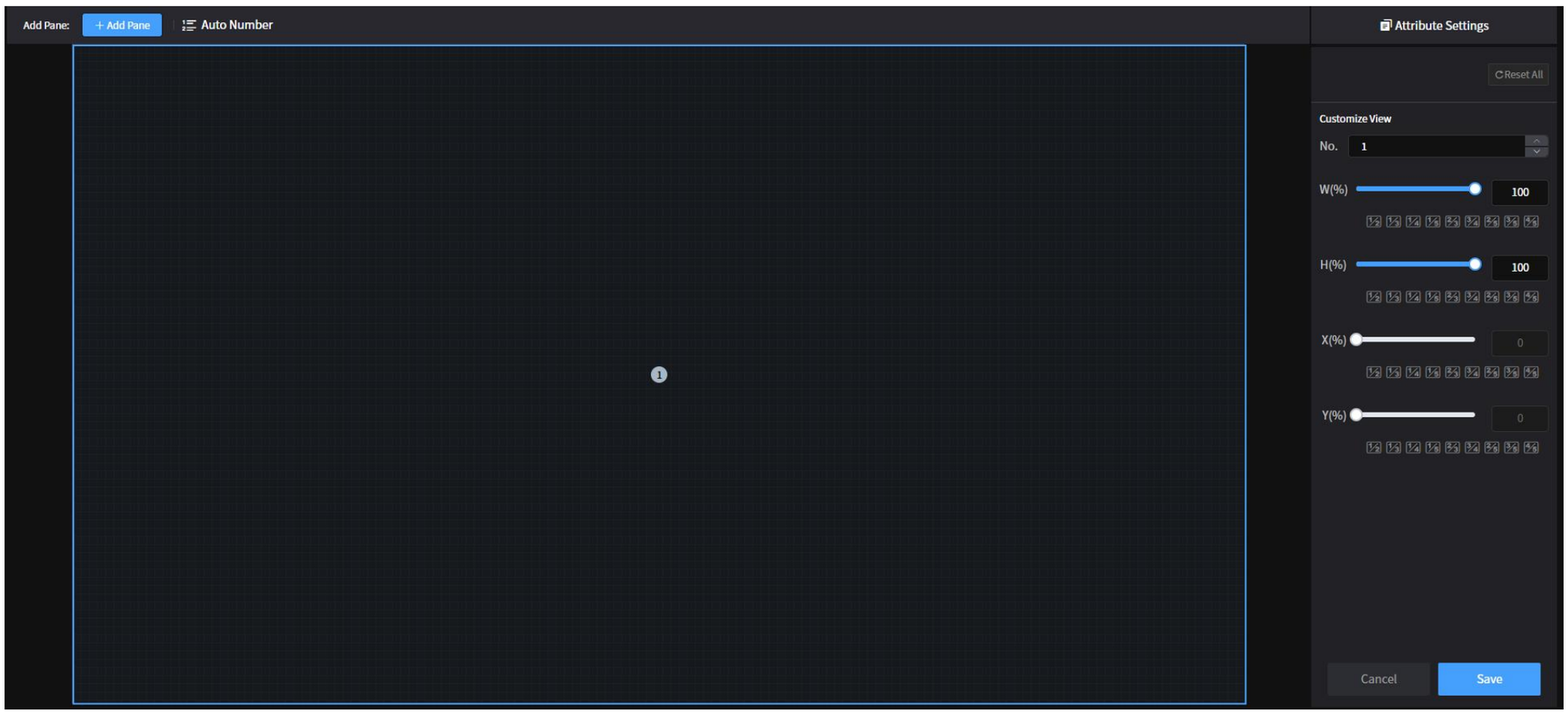
1) The system provides a quick selection of layout templates in the upper left corner of the video output display area. Click the drop-down menu to quickly select and apply a layout template. You can also click the **Add Layout** option to create a layout template by entering the template name in the pop-up window.





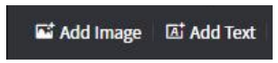
2) You can click the button to save the currently configured output image to the currently selected layout template, making it convenient to quickly load and display the currently configured output image (including source, layout, overlay, background, border, etc.) when logging in next time. Click the button to save the current output image as a new template. Click the button to undo all settings and adjustments made to the template.

3) Click the button on the right side of the selection box to customize and configure the currently selected layout template. You can click the button to add multiple grids and edit and adjust the width, height, and position of the grid in the attribute settings panel on the right, and then save.

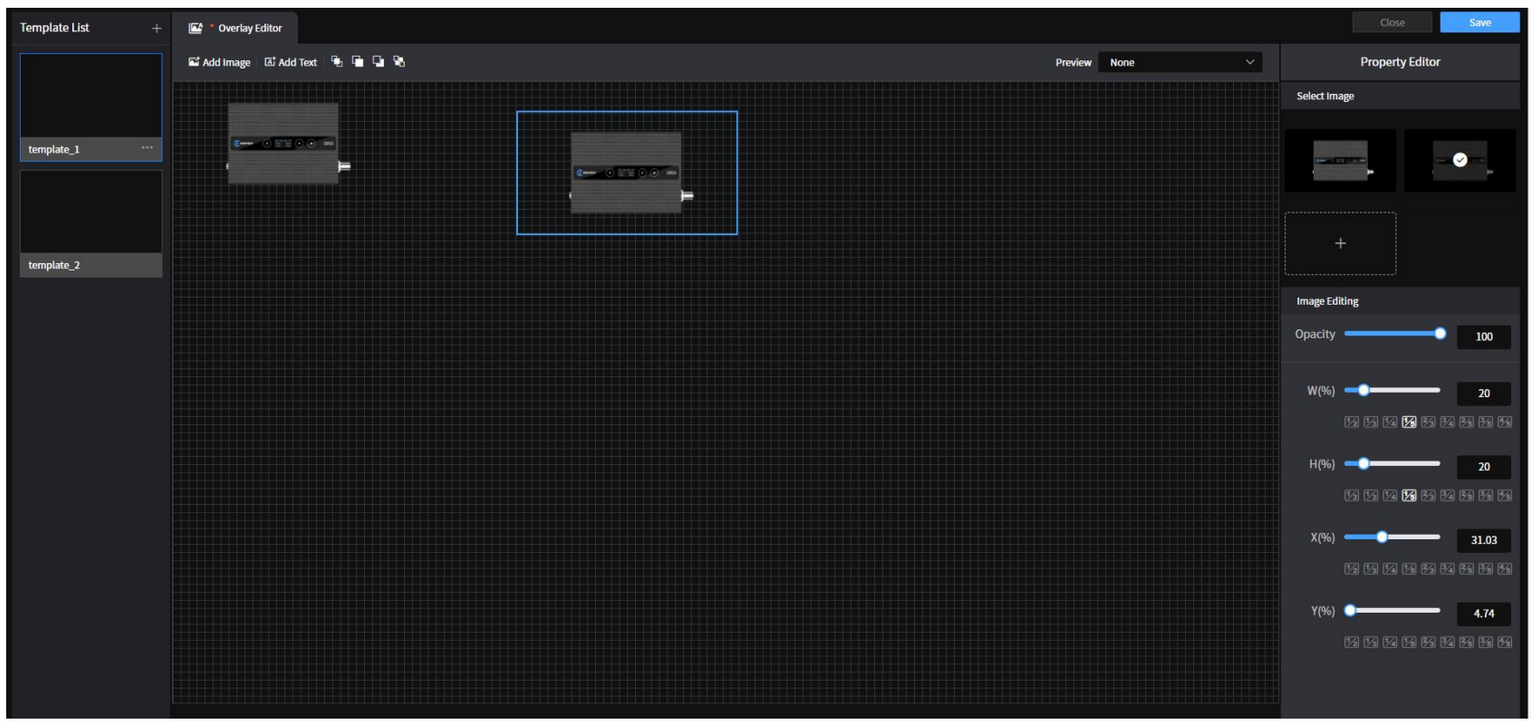


5.2.4 Overlay Settings

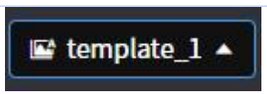
1) Click the button

in the upper right corner of the video output display area to enter the "Overlay Editor" page. As shown in the figure below, the red box area is the existing overlay template. You can click 

to add image or text content to the current template. You can also select the corresponding added text or image content and set the width, height, position, and other attribute styles of the image or text in the attribute editor module on the right. Click the corresponding button to arrange the stacking order of the image or text content: **Top**, **Move Up**, **Move Down**, **Bottom**.



Note: In the "Overlay Template List" on the right side of the image above, you need to select a template for editing. You can also click "+" to create a new editing template.

2) After saving the edited template, click the drop-down menu button 

above the video output display area in the media interface. Check the corresponding template to overlay the saved template onto the output window for decoding output.

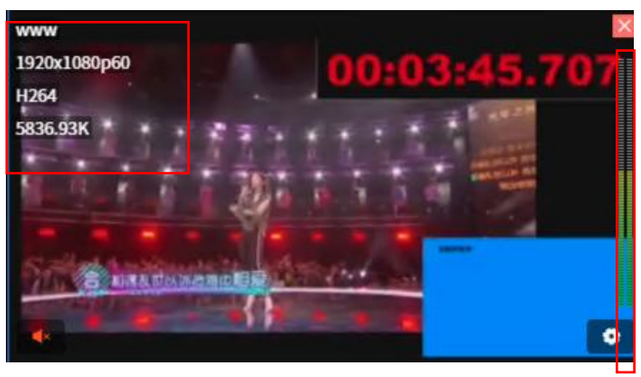
5.2.5 Display of Video Status and Audio Column Information

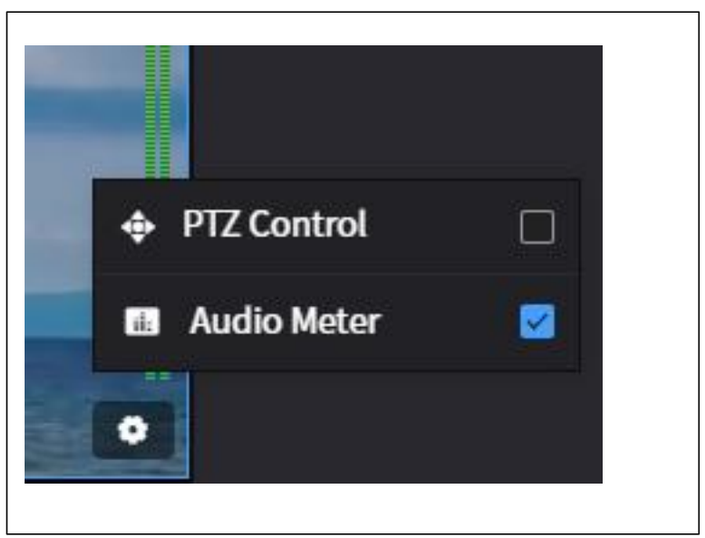
Click the button above the video output display area in the media interface. The system will display the resolution, frame rate, encoding format, bitrate, and name information of the source in the upper right corner of each grid. Click again to hide the display of the information. The red box area in the image below shows part of the information.

Click the button above the video output display area in the media interface. The system will display the audio column information of the video source on the right side of each grid. The red box area in the image below shows the information.

Click the settings button in the lower right corner of each grid. In the expanded window, check the audio column option to independently control the display and hide status of the audio column for the current grid.

z



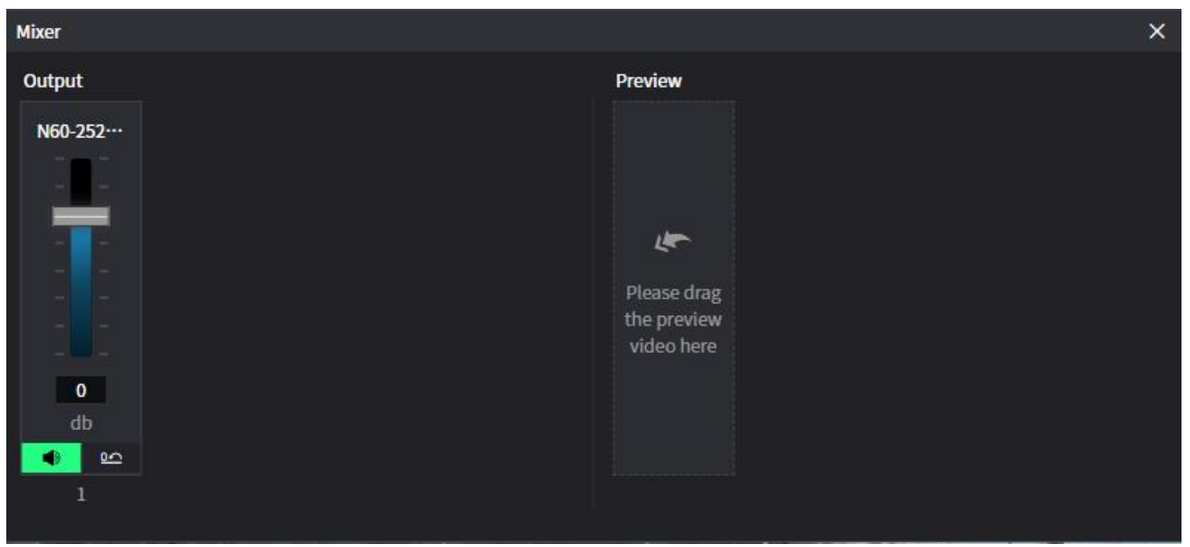


Note: The number of audio channels corresponding to the video source matches the number of audio column bars displayed. The status and audio column information will not be decoded and output to the connected decoding display device along with the image.

5.2.6 Audio Mixer

Click the button

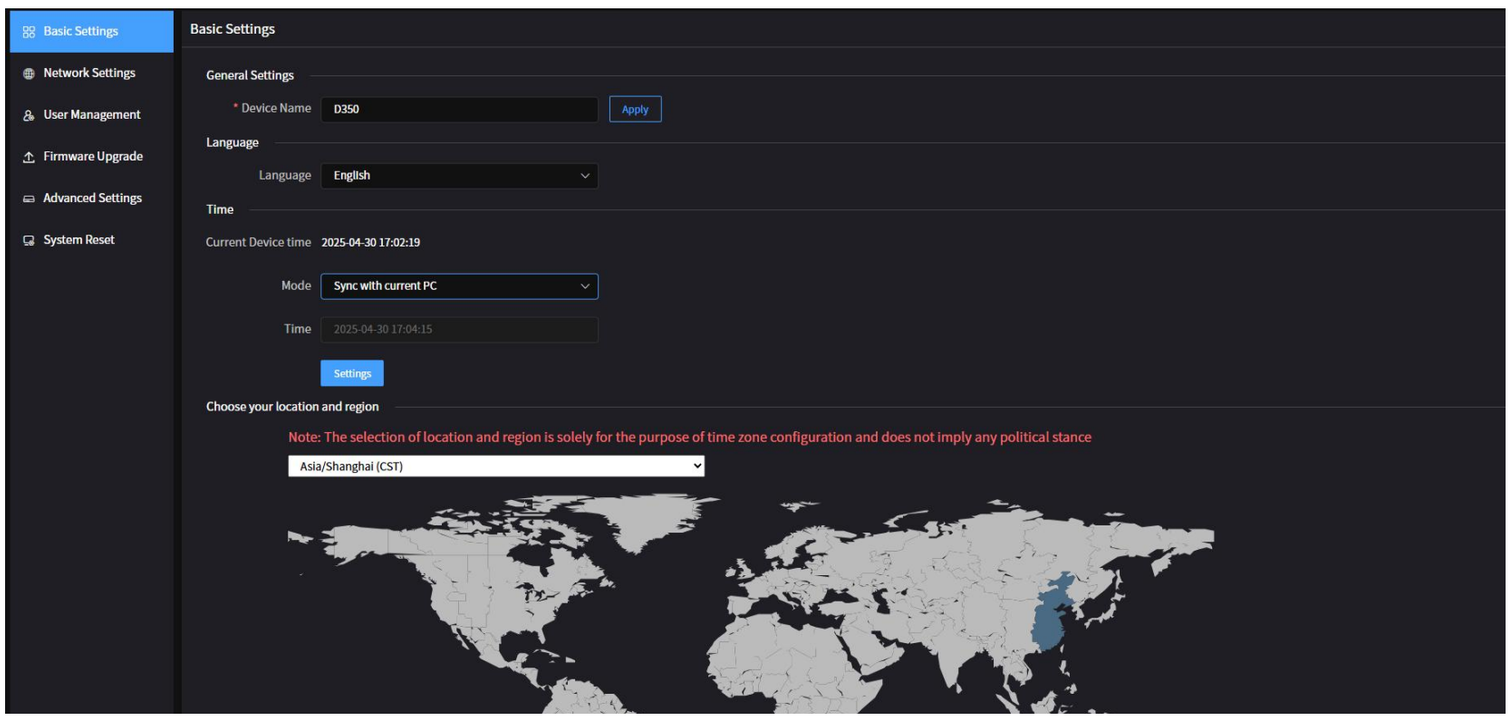
in the upper right corner of the video output display area in the media interface. In the displayed【**Mixer**】 window, you can drag the previewed video source to the "Preview" ~~preview~~ area on the right to preview the audio channel corresponding to the video source. You can place the audio from multiple different video sources in the【**Mixer**】as shown in the figure below to configure audio parameters.



6 Settings

6.1 General Settings

Click the menu Settings in the top menu bar of the media interface to enter the settings page. Click Basic Settings to set the device name, language, time, location, and region.

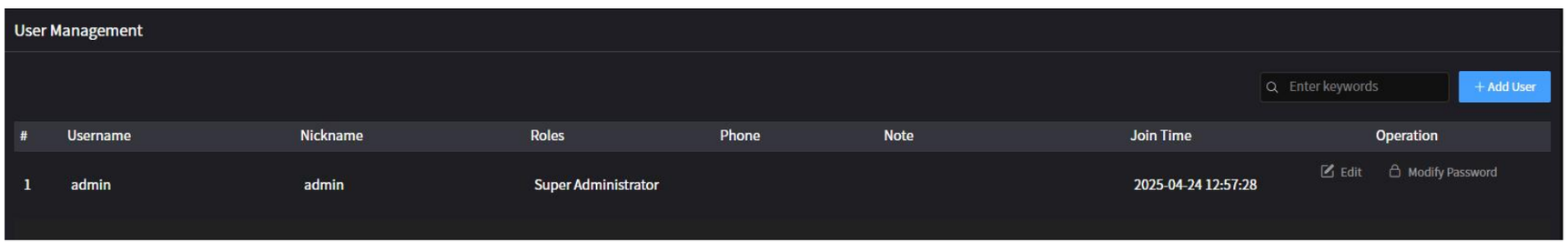


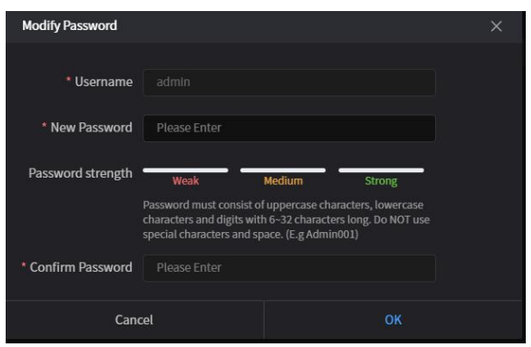
6.2 Network Settings

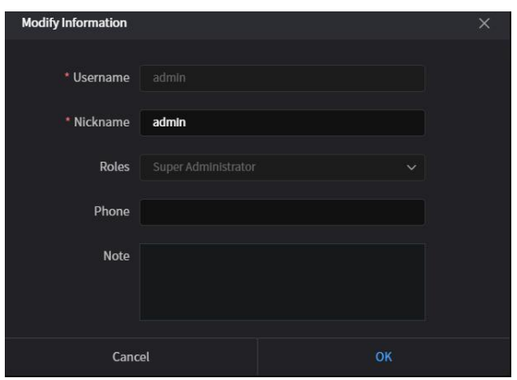
Click 【**Settings > Network Settings**】. For detailed network configuration, please refer to Section 3.2 Network Configuration of this manual.

6.3 User Management

Click **Settings > User Management** to enter the page. Add users, modify passwords, and encode user role permissions through the user management list, as shown in the figure below.

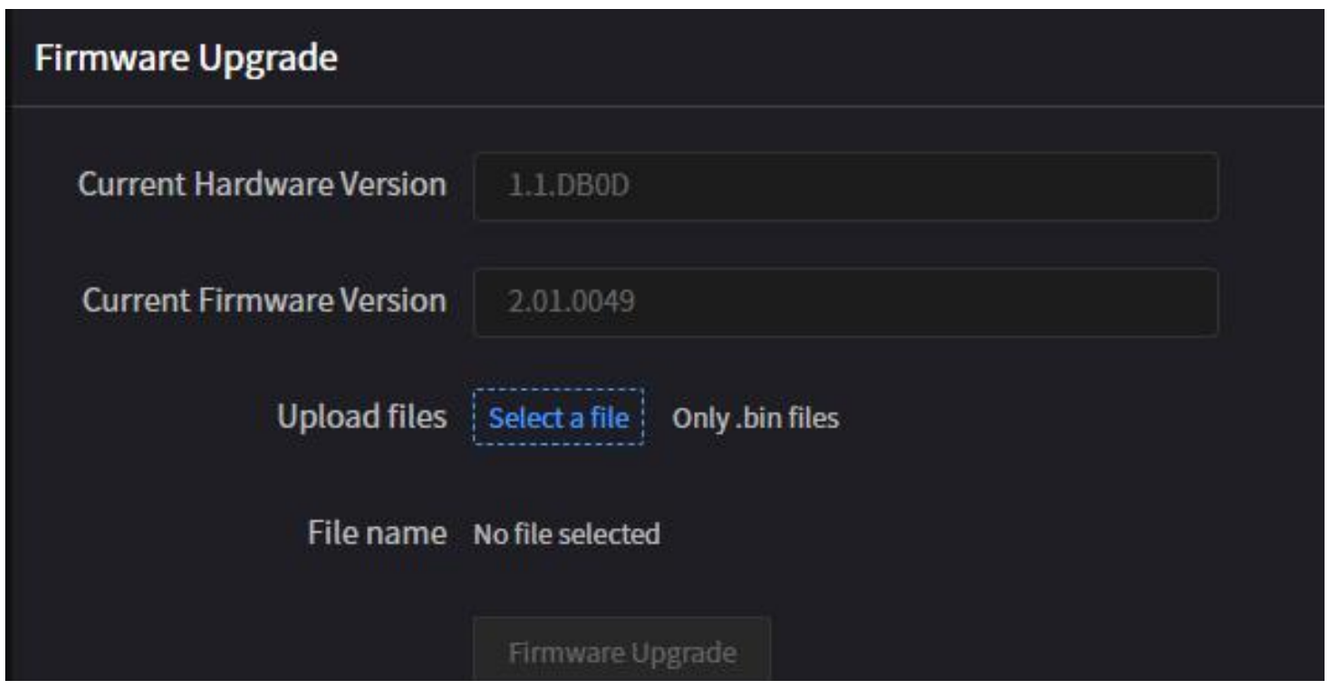






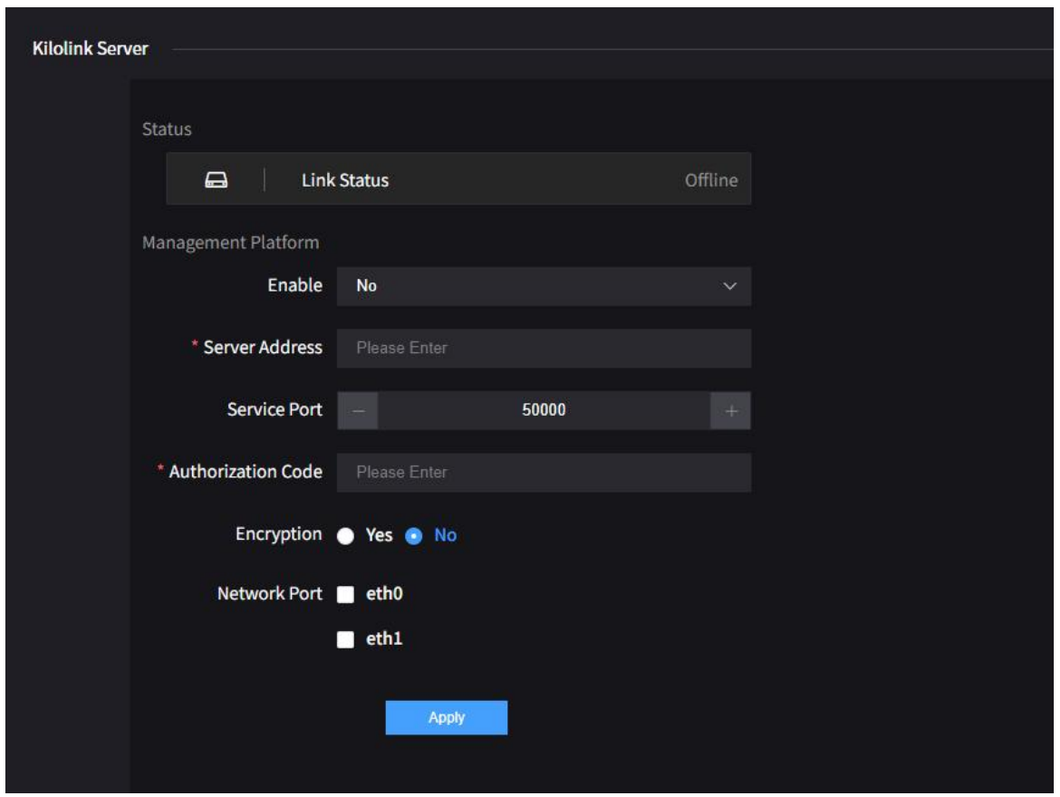
6.4 Firmware Upgrade

Click 【**Settings > Firmware Upgrade**】 to enter the page. Before upgrading, please verify that the device information and version are correct. Select the upgrade file to perform the upgrade. After the firmware is successfully uploaded, do not power off the device during the upgrade process. The device needs to be restarted to complete the upgrade. This process may take 1-3 minutes (depending on the firmware size and network environment).



6.5 Advanced Settings

Click【**Settings > Advanced Settings**】to enter the page. You can register the device to the Kilolink Server management platform. The specific configuration is shown in the figure below.



6.6 System Reset

6.6.1 Factory Reset

Click【 **Settings > System Reset** 】to enter the page. If the user modifies the parameters, causing the device to malfunction, you can restore the device to factory settings. That will restore~~ing~~ the device configuration to the default values. There are two ways to restore factory settings:

1）The "System Settings" - "Factory Reset" function in the management web interface;

2）The RESET button on the device panel.

At the RESET button location on the device, press and hold the reset button for more than 5 seconds, and the device will restore to factory settings. Restoring factory settings will cause the device to hard reboot. The reboot process may take about 1 minute.

Note: After restoring factory settings, the following parameters will be restored to their default values:

- Login username admin, password restored to admin;
- IP address will be restored to default:
- Network port 1 IP 192.168.1.168, subnet mask 255.255.255.0;
- Network port 2 IP 192.168.2.168, subnet mask 255.255.255.0;
- All configured decoding parameters, stream services, etc. will be restored to factory default values.

6.6.2 Device Reboot

Click 【**Settings > System Reset** 】to enter the page. Device reboot: The user device software restarts, which is equivalent to restarting the device. It takes about 1 minute.

Thank you for reading

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